

OPERATOR	LEASE		
BURLINGTON RESOURCES OIL & GAS COMPANY	CORBIN DELAWARE FEDERAL UNIT, (FORMERLY: WEST CORBIN FEDERAL #6)		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP RANGE
6	E, 2076' FNL & 411' FWL	17	T18S R33E, LEA CO., NM

Schematic

Tabular Data

API# 30-025-30430

See the attached current and proposed wellbore sketches.

Surface Casing	
Size	8-5/8" SET @ 377' Cemented with 200 sx.
TOC	SURFACE feet determined by CIRCULATED
Hole size	12-1/4"
Intermediate Casing	
Size	NONE Cemented with sx.
TOC	feet determined by
Hole size	
Long string	
Size	5-1/2" Cemented with 900 sx.
TOC	500' feet determined by TEMPERATURE SURVEY
Hole size	7-7/8"
Total depth	5450'
Injection interval	
5086 feet to 5144 feet.	
(perforated or open-hole, indicate which)	

Tubing size 2-7/8" lined with IPC (material) set in a

BAKER LOK SET (brand and model) packer at 4960' feet

(or describe any other casing--tubing seal.)

Other Data

1. Name of the injection formation DELAWARE
 2. Name of Field or Pool (if applicable) WEST CORBIN DELAWARE
 3. Is this a new well drilled for injection? ☐ Yes ☒ No
- If no, for what purpose was the well originally drilled? DELAWARE PRODUCER

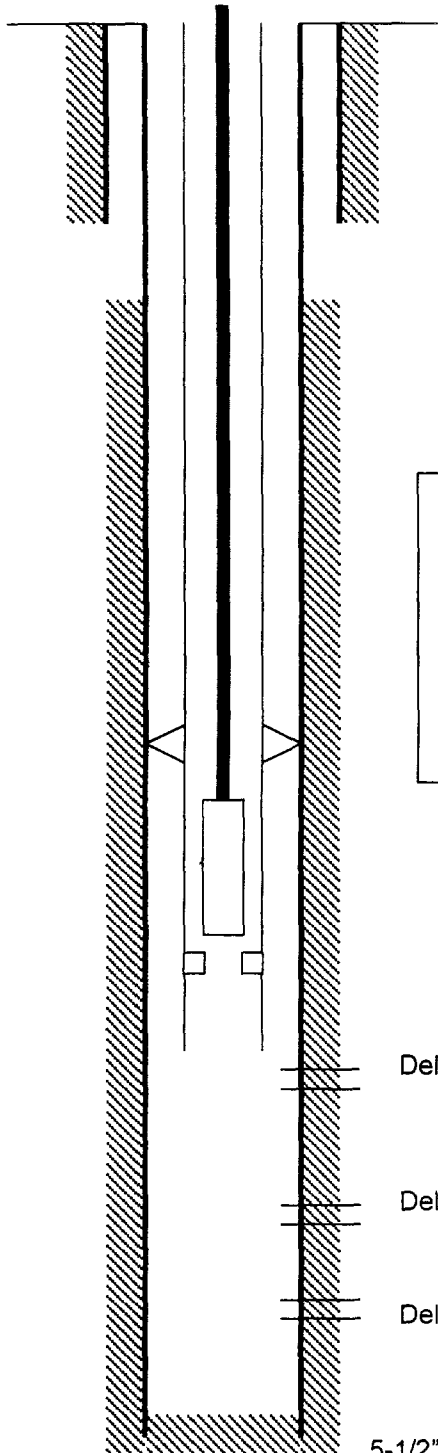
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO, PROPOSED DELAWARE PERFS TO BE SQUEEZED OFF ARE

5004' - 5012' W/25 SXS CMT +/-

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. BONE SPRING 7800', WOLFECAMP 11,200'

Burlington Resources Oil & Gas Company
West Corbin Federal #6
API# 30-025-30430
West Corbin Delaware Pool
UL-E, 2076' FNL & 411' FWL
Sec. 17, T18S, R33E
Lea County, New Mexico

Current Completion



KB 3,892'
 GL 3,876'

8-5/8" 24# K-55 Casing set at 377'. Cemented with 200 sx.
 Top of Cement at surface (Circ).

Tubing Detail(5/28/89)
 158 jts 2-7/8" 6.5# J-55
 TAC set with 8M# tension
 3 jts 2-7/8" 6.5# J-55
 2.25" ID mech SN @ 4952.67'
 4' perf sub.
 1 jt bull plugged.
 EOT at 4988.57'

Rod Detail (8/26/92)
 Polish Rod - 26'
 7/8" Subs 2 - 8'
 7/8" Sub - 6'
 7/8" Sub - 8'
 7/8" Grade D Rods 58 rods -1450'
 3/4" Grade D Rods 137 rods - 3425'
 1.5" pump - 24'

Delaware Perforations 5,004' to 5,012'. 17 holes

Delaware Perforations 5,086' to 5,114'. 57 holes

Delaware Perforations 5,132' to 5,144'. 25 holes

PBTD at 5,407'
 TD 5,450'.

5-1/2" 15.5# K-55 Casing set at 5,450'. Cemented with 900 sx.
 Top of Cement at 500' (Temp survey).

Burlington Resources Oil & Gas Company
Corbin Delaware Federal Unit #6
(Formerly the West Corbin Federal #6)
API# 30-025-30430
West Corbin Delaware Pool
UL-E, 2076' FNL & 411' FWL
Sec. 17, T18S, R33E
Lea County, New Mexico

Proposed Completion

KB 3,892'
GL 3,876'

8-5/8" 24# K-55 Casing set at 377'. Cemented with 200 sx.
Top of Cement at surface (Circ).

Tubing Detail
2-7/8" 6.5# IPC tubing
Packer at 4,960'.
Baker LOK-SET PKR.

Delaware Perforations 5,004' to 5,012'. Squeezed.

Delaware Perforations 5,086' to 5,114'. 57 holes

Delaware Perforations 5,132' to 5,144'. 25 holes

PBTD at 5,407'
TD 5,450'.

5-1/2" 15.5# K-55 Casing set at 5,450'. Cemented with 900 sx.
Top of Cement at 500' (Temp survey).

FORM C-108
ITEM NO. III

WELL DATA SHEET

Date: May 26, 1998
Well: West Corbin Federal #6
Field: South Corbin
Area: Lea County, New Mexico

Spud Date: 4/24/89
Completion Date: 5/28/89

Current Status: Delaware Producer
Current Rate: 6 bo / 5 mcf / 50 bw (4/98)

Total Depth: 5,450'
PBTD: 5,407'
KB: 16' above GL.

Casing Record: 8-5/8" 24# K-55 @ 377' cmt'd w/ 200 sx. (Circ)
5-1/2" 15.5# K-55 LTC @ 5,450' cmt'd w/ 900 sx. Top of Cement at 500' (TS).

Perforations:

Delaware	YZ	5,004'-5,012'	2 spf	17 holes	Open
	A	5,086'-5,114'	2 spf	57 holes	Open
	B	5,132'-5,144'	2 spf	25 holes	Open

Tubing Detail: See attached wellbore schematic.

Rod Detail: See attached wellbore schematic

Workover History.

5/12/89 Original Completion. Perforate Delaware from 5,086' to 5,144'. Breakdown with 2500 gallons treated fresh water. Frac with 8000 gallons 70 quality foam, 3000# 12/20 sand. Screened out with 2 ppg. (Design 16M gal foam, 29M# sand) Swab load water, 0.5 BPH. Re-frac with 235 bbl gelled water, 525,000 scf N2, 10,000# 20/40 sand. Swab 100-150' fluid/hr (2% oil). Re-frac with 34,000 gallons 70 quality foam, 35,000# 20/40 Ottawa sand. Flowed 35 bo & 135 bw. Perforated Delaware from 5,004' to 5,012'. Set RBP at 5050'. Breakdown with 1700 gallons treated water. Swab 1 bph. Frac with 6000 gal 7.5% quality foam with 140,000 scf N2 and 6000# 20/40 sand. 3 ppg. Swab 700' per hour. Retrieve RBP. Run production tubing and rods.
IPP 61 BOPD, 186 BWPD, 35 MCFD, 574 GOR(6/12/89).

OPERATOR		LEASE	
BURLINGTON RESOURCES OIL & GAS COMPANY		CORBIN DELAWARE FEDERAL UNIT (Formerly: West Corbin SMD #4)	
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP RANGE
4	UL-J, 2310' FSL & 2310' FEL	18	18S 33E

Schematic

Tabular Data

API# 30-025-25448

See attached current and proposed schematic diagrams.

Surface Casing	
Size	8-5/8" Cemented with 250 sx.
TOC	SURFACE feet determined by CIRCULATION
Hole size	12-1/4"
Intermediate Casing	
Size	NONE Cemented with sx.
TOC	feet determined by
Hole size	
Long string	
Size	5-1/2" Cemented with 700 sx.
TOC	SURFACE feet determined by CIRCULATION
Hole size	7-7/8"
Total depth	5117'
Injection interval	
5,026 feet to 5060 feet.	
(perforated or open-hole, indicate which)	

INJECTION WELL DATA SHEET -- SIDE 2

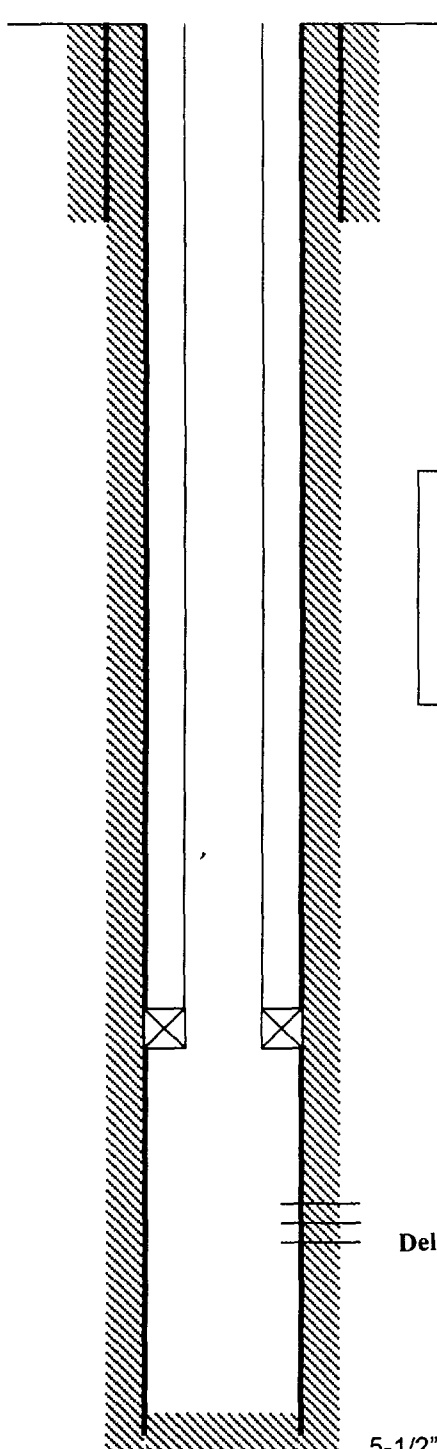
Tubing size 2-7/8" lined with IPC (material) set in a
BAKER IPC AD-1 packer at 4933' feet
 (brand and model)
 (or describe any other casing-tubing seal.)

Other Data

1. Name of the injection formation DELAWARE
2. Name of Field or Pool (if applicable) WEST CORBIN DELAWARE
3. Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? WELL WAS A DRY HOLE. WELL WAS CONVERTED TO SALT WATER DISPOSAL IN 1978
ADMINISTRATIVE ORDER NO. SMD-205 DATED APRIL 27, 1978 ISSUED TO SOUTHLAND ROYALTY COMPANY. WILL CONVERT TO WIW.
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO OTHER ZONES PERFORATED.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. BONE SPRING 7800' AND WOLF CAMP 11,200'

Burlington Resources Oil & Gas Company
West Corbin Federal #4
API# 30-025-25448
West Corbin Delaware Pool
UL-J, 2310' FSL & 2310' FEL
Sec. 18, T18S, R33E
Lea County, New Mexico

Current Completion



KB 3,848'
GL 3,840'

8-5/8" 24# K-55 Casing set at 340'. Cemented with 250 sx.
Top of Cement at surface (Circ).

Tubing Detail(7/7/89)

2-7/8" 6.5# J-55 IPC Tubing – 162 jts
IPC Seat Nipple (2.25" ID)
2-3/8" x2-7/8" XO Set at 4996'
Baker IPC AD-1 Packer
Set at 4933'

Delaware Perforations 5032'-5062', 1 SPF, 70 Holes

PBTD at 5,117'
TD 5,112'.

5-1/2" 15.5# K-55 Casing set at 5,117'. Cemented with 700 sx. DV tool at 1443'.
Top at surface (Circ).

Burlington Resources Oil & Gas Company
Corbin Delaware Federal Unit #4
(Formerly: West Corbin Federal #4)
API# 30-025-25448
West Corbin Delaware Pool
UL-J, 2310' FSL & 2310' FEL
Sec. 18, T18S, R33E
Lea County, New Mexico

Proposed Completion

KB 3,848'
GL 3,840'

8-5/8" 24# K-55 Casing set at 340'. Cemented with 250 sx.
Top of Cement at surface (Circ).

Tubing Detail(7/7/89)

2-7/8" 6.5# J-55 IPC Tubing – 162 jts
IPC Seat Nipple (2.25" ID)
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Baker IPC AD-1 Packer
Set at 4933'

Delaware Perforations 5032'-5062', 1 SPF, 70 Holes

5-1/2" 15.5# K-55 Casing set at 5,117'. Cemented with 700 sx. DV tool at 1443'.
Top at surface (Circ).

PBTD at 5,117'
TD 5,112'.

WELL DATA SHEET

Date: May 28, 1998

Well: West Corbin Federal #4
Field: West Corbin
Area: Lea County, New Mexico

Spud Date: 2/4/78
Completion Date: 3/18/78

Current Status: Delaware SWD
Current Rate: ?

Total Depth: 5,117'
PBTD: 5,112'
KB: 8' above GL.

Casing Record: 8-5/8" 24# K-55 @ 340' cmt'd w/ 250 sx. (Circ)
5-1/2" 15.5# K-55 LTC @ 5,117' cmt'd w/ 700 sx. DV tool at 1443'. (Circ).

Perforations:
Delaware A 5,032'-5,062' 1 spf 31 holes Open

Tubing Detail: See attached wellbore schematic.

Rod Detail: See attached wellbore schematic

Workover History.

2/25/78 Original Completion. Perforate Delaware from 5,032' to 5,062'. Acidize with 2,900 gallons 15% HCl and balls. Swab 100% water. SI.

5/30/78 Frac with 20,000 gallons gel and 20,000# 20/40 sand. Run Injection tubing.

6/13/78 Start injecting water at 170 BPM, 0 psi.

7/6/89 Frac with 27,000 gal gel and 50,000# 12/20 Brady sand. 1 - 5 ppg.

4/2/90 Maximum Injection Pressure increased to 1290 psig.

OPERATOR	LEASE		
BURLINGTON RESOURCES OIL & GAS COMPANY	CORBIN DELAWARE FEDERAL UNIT #22 (Formerly: West Corbin Federal #22)		
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP RANGE
22	UL-F, 1980' FNL & 1780' FWL	18	18S 33E

Schematic

Tabular Data

Surface Casing

Size 8-5/8" Set @ 433' " Cemented with 280 sx.

TOC SURFACE feet determined by CIRCULATION

Hole size 12-1/4"

API# 30-025-30860

See the attached current and proposed wellbore sketches.

Intermediate Casing

Size NONE " Cemented with sx.

TOC feet determined by

Hole size

Long string

Size 5-1/2" " Cemented with 1350 sx.

TOC SURFACE feet determined by CIRCULATION

Hole size 7-7/8"

Total depth 5500'

Injection interval

5004 feet to 5088 feet.

(perforated or open-hole, indicate which)

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2-7/8" lined with IPC (material) set in a

BAKER LOCK-SET (brand and model) packer at 4930 feet

(or describe any other casing-tubing seal.)

Other Data

1. Name of the injection formation DELAWARE
2. Name of Field or Pool (if applicable) WEST CORBIN DELAWARE
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? OIL PRODUCTION

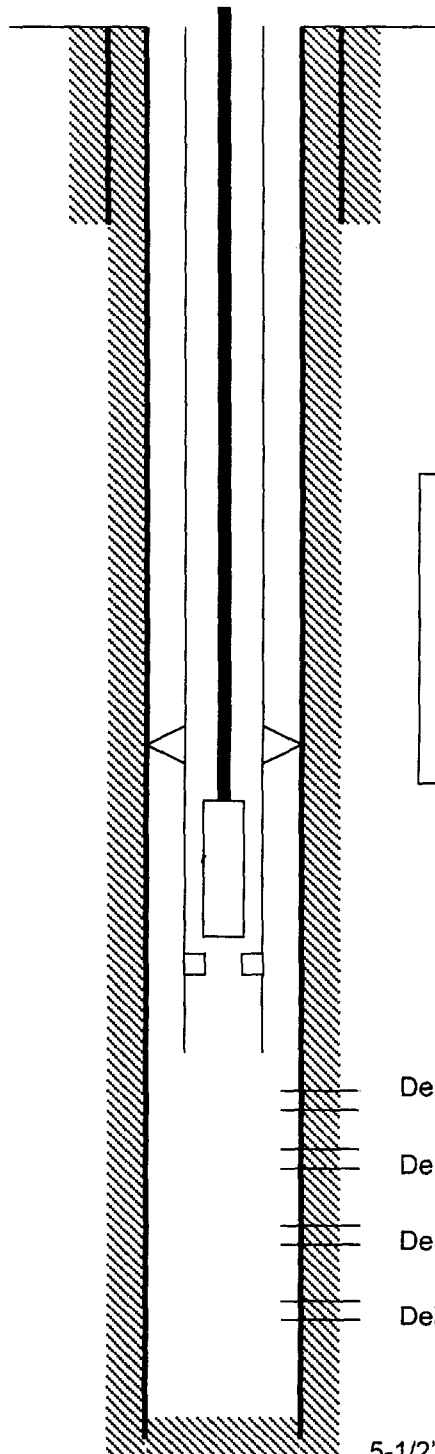
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) NO, PROPOSED SQUEEZE PERFS ARE 4942' - 4948'

W/25 SXS CMT +/-

5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. BONE SPRING 7800' , WOLFCAMP 11,200'

Burlington Resources Oil & Gas Company
West Corbin Federal #22
API# 30-025-30860
West Corbin Delaware Pool
UL-F, 1980' FNL & 1780' FWL
Sec. 18, T18S, R33E
Lea County, New Mexico

Current Completion



KB 3,896'
GL 3,880'

8-5/8" 24# K-55 Casing set at 433'. Cemented with 280 sx.
Top of Cement at surface (Circ).

Tubing Detail(6/6/96)

143 jts 2-7/8" 6.5# J-55
TAC set at 4396'
16 jts 2-7/8" 6.5# J-55
Pump Barrel
SN @ 4908'
4' perf sub.
1 jt mud anchor
EOT at 4956'

Rod Detail (6/6/96)

Polish Rod - 26'
1" Liner - 16'
1" Pony rods - 20'
7/8" N97 Rods 149 rods - 3725'
1" N97 Rods 46 rods - 1150'
Pony Rod - 2'
2.25" pump - 16'

Delaware Perforations 4,942' to 4,948'. 14 holes

Delaware Perforations 5,004' to 5,008'. 10 holes

Delaware Perforations 5,026' to 5,060'. 70 holes

Delaware Perforations 5,084' to 5,088'. 10 holes

PBTD at 5,446'
TD 5,500'.

5-1/2" 15.5# K-55 Casing set at 5,500'. Cemented with 1350 sx.
Top at surface (Circ).

Burlington Resources Oil & Gas Company
Corbin Delaware Federal Unit #22
(Formerly the West Corbin Federal #22)
API# 30-025-30860
West Corbin Delaware Pool
UL-F, 1980' FNL & 1780' FWL
Sec. 18, T18S, R33E
Lea County, New Mexico

Proposed Completion

KB 3,896'
GL 3,880'

8-5/8" 24# K-55 Casing set at 433'. Cemented with 280 sx.
Top of Cement at surface (Circ).

Tubing Detail
2-7/8" 6.5# IPC tubing
Packer at 4,930'.
Baker LOK-Set pkr.

Delaware Perforations 4,942' to 4,948'. Squeezed.

Delaware Perforations 5,004' to 5,008'. 10 holes

Delaware Perforations 5,026' to 5,060'. 70 holes

Delaware Perforations 5,084' to 5,088'. 10 holes

5-1/2" 15.5# K-55 Casing set at 5,500'. Cemented with 1350 sx.
Top at surface (Circ).

PBTD at 5,446'
TD 5,500'

WELL DATA SHEET

Date: May 28, 1998
Well: West Corbin Federal #22
Field: West Corbin
Area: Lea County, New Mexico

Spud Date: 4/14/90
Completion Date: 5/9/90

Current Status: Delaware Producer
Current Rate: 3 bo / 8 mcf / 158 bw (4/98)

Total Depth: 5,500'
PBTD: 5,446'
KB: 16' above GL.

Casing Record: 8-5/8" 24# K-55 @ 433' cmt'd w/ 280 sx. (Circ)
5-1/2" 15.5# K-55 LTC @ 5,500' cmt'd w/ 1350 sx. (Circ).

Perforations:

Delaware	YZ	4,942'-4,948'	2 spf	14 holes	Open
	YZ	5,004'-5,008'	2 spf	10 holes	Open
	A	5,026'-5,060'	2 spf	70 holes	Open
	B	5,084'-5,088'	2 spf	10 holes	Open

Tubing Detail: See attached wellbore schematic.

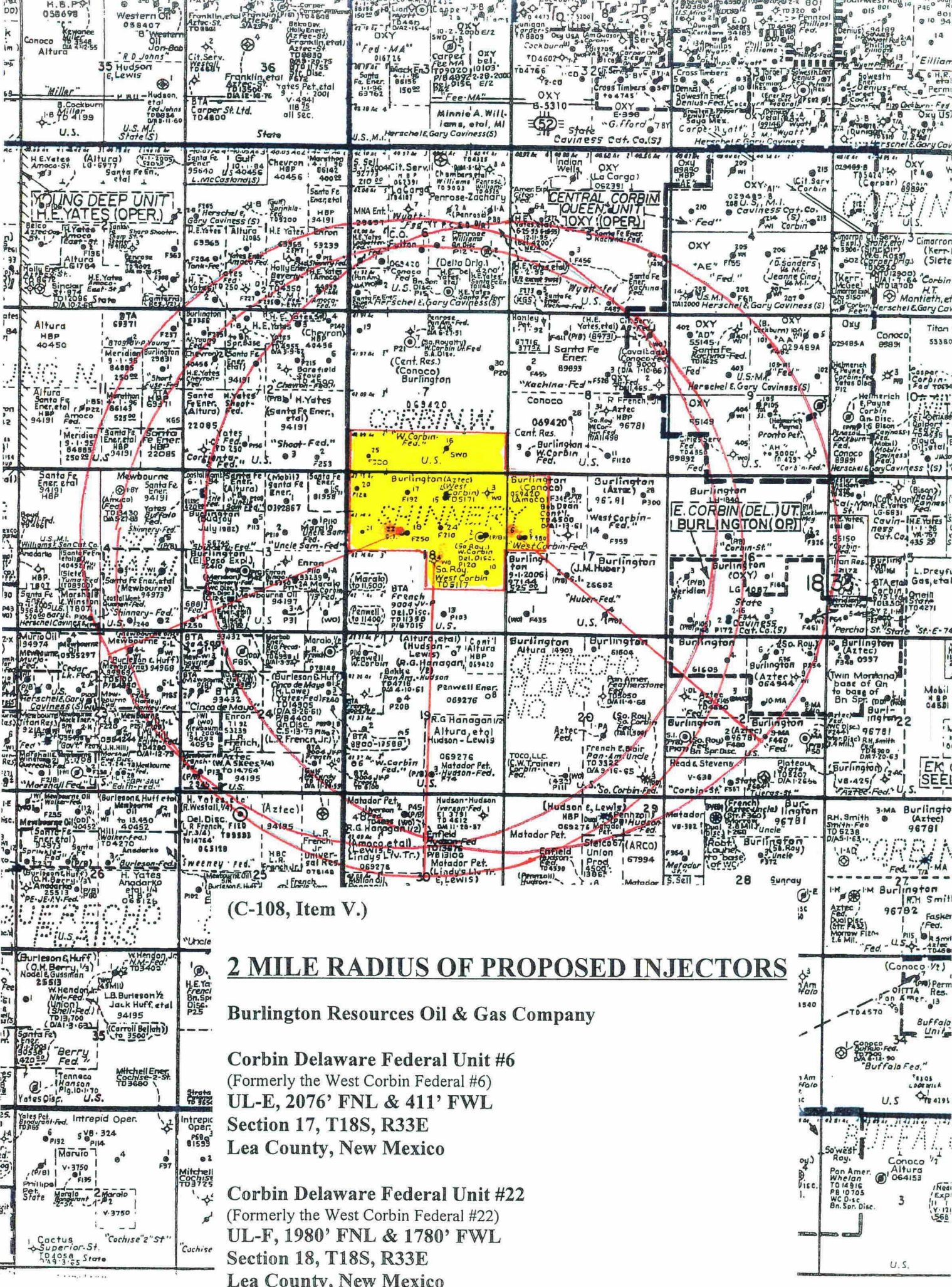
Rod Detail: See attached wellbore schematic

Workover History.

5/2/90 Original Completion. Perforate Delaware from 4,942' to 5,088'. Acidize with 2,400 gallons 7.5% HCl and balls. Swab 9 bph, 45% oil. Run production tubing and rods.

1/4/94 Swab on well.
5084-88' Swab dry, no entry
5026-60' minimal entry, 100% oil
4890-5015' swab 92 bbl oil, 43 bbl water.

2/1/94 Frac with 54,500# 16/30 sand and 12,000 gallons gel. 3-12 ppg.
IPP 20 BOPD, 380 BWPD, 0 MCFD (2/21/94).



(C-108, Item V.)

2 MILE RADIUS OF PROPOSED INJECTORS

Burlington Resources Oil & Gas Company

Corbin Delaware Federal Unit #6
(Formerly the West Corbin Federal #6)
UL-E, 2076' FNL & 411' FWL
Section 17, T18S, R33E
Lea County, New Mexico

Corbin Delaware Federal Unit #22
(Formerly the West Corbin Federal #22)
UL-F, 1980' FNL & 1780' FWL
Section 18, T18S, R33E
Lea County, New Mexico